

**Amendments to the Specification**

Please replace the paragraph beginning at page 12, line 3 with the following paragraph:

Fig. 2C depicts a length-wise cross sectional view of a tubular solid-state electrochemical device, such as depicted in Fig. 2A. The device 250 has a tubular shape formed by a porous air electrode (~~anode~~) 252, and electrolyte 254, and a porous fuel electrode (~~cathode~~) ~~266~~256, in the case of an SOFC application of the device. The tube-shaped device has an open end 258 available for providing a gas reactant, such as air in the case of an SOFC (as shown), or extracting a gas product, such as oxygen in the gas of an oxygen generator, and a closed end 260 to contain and separate the gas inside the tube from that outside. In the case of a SOFC, the fuel gas, e.g., hydrogen or methane, is typically provided outside the tube.